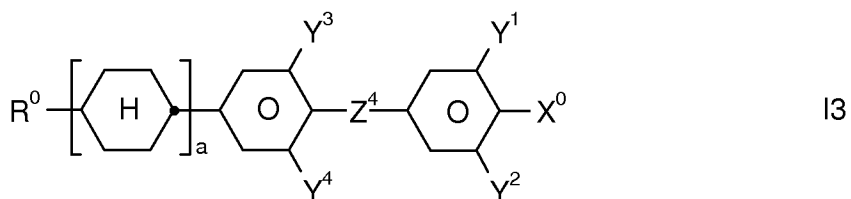
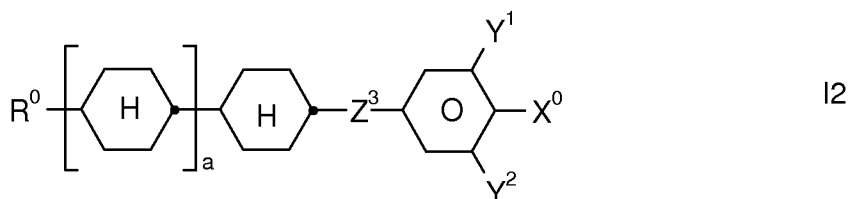
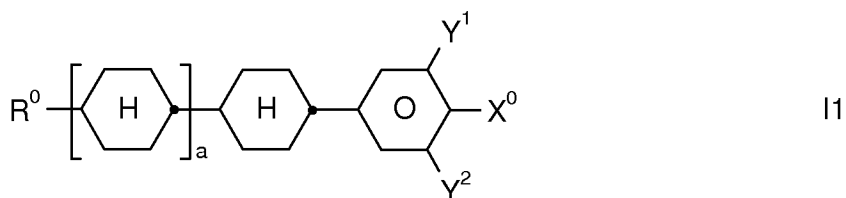


This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A liquid-crystalline medium having a helically twisted structure comprising a nematic component and an optically active component, wherein the optically active component comprises one or more chiral compounds whose helical twisting power and concentration are selected in such a way that the helical pitch of the medium is $\leq 1 \mu\text{m}$, and the nematic component comprises at least 75% by weight of one or more compounds containing a 3,4,5-trifluorophenyl group

selected from the following formulae



in which

Z^3 in each case, independently of one another, denotes COO, C_2H_4 , CF_2O or C_2F_4 , and

Z^4 in each case, independently of one another, denotes COO, CF_2O , C_2F_4 or a single bond.

R^0 denotes H or an alkyl or alkenyl radical having 1 to 20 C atoms which is unsubstituted, monosubstituted by CN or CF_3 or at least monosubstituted by halogen, where, in addition, one or more CH_2 groups in these radicals may each, independently of one another, be replaced by -O-, -S-, -CO-, -CO-O-, -O-CO-, -O-CO-O-, -CH=CH- or -C \equiv C- in such a way that O atoms are not linked directly to one another,

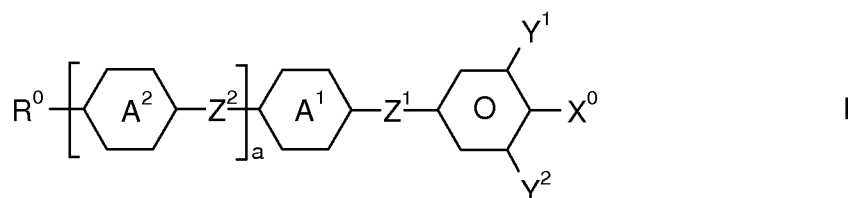
Y^1, Y^2 to Y^4 each, independently of one another, denote H or F,

Y^1, Y^2 denote F,

X^0 denotes F, Cl, halogenated alkyl, alkenyl or alkoxy having 1 to 6 C atoms and

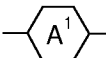
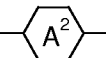
a denotes 0 or 1.

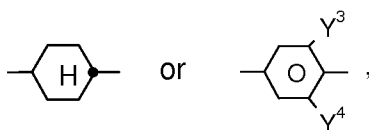
2. (Previously presented) A liquid-crystalline medium of claim 1 wherein the nematic component comprises one or more compounds of the formula I



in which

R^0 denotes H or an alkyl or alkenyl radical having 1 to 20 C atoms which is unsubstituted, monosubstituted by CN or CF_3 or at least monosubstituted by halogen, where, in addition, one or more CH_2 groups in these radicals may each, independently of one another, be replaced by -O-, -S-, -CO-, -CO-O-, -O-CO-, -O-CO-O-, -CH=CH- or -C \equiv C- in such a way that O atoms are not linked directly to one another,

 and  each, independently of one another, denote



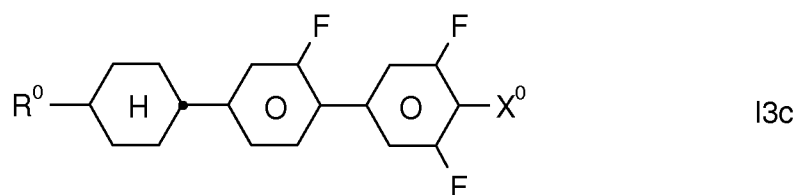
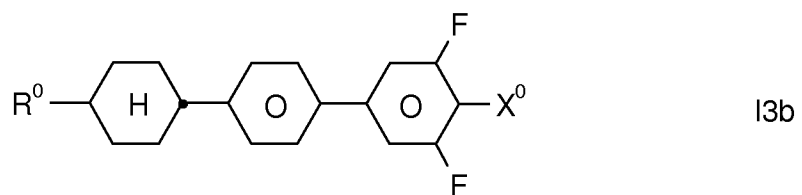
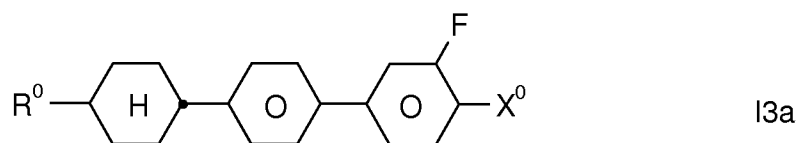
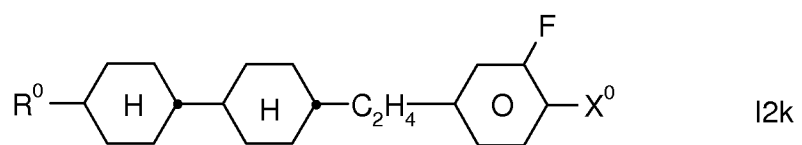
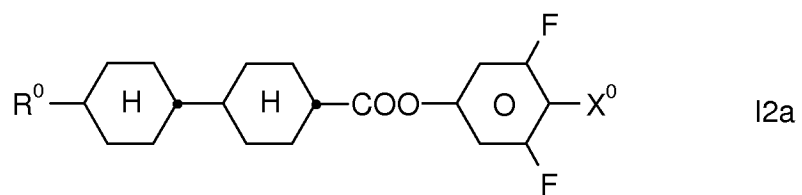
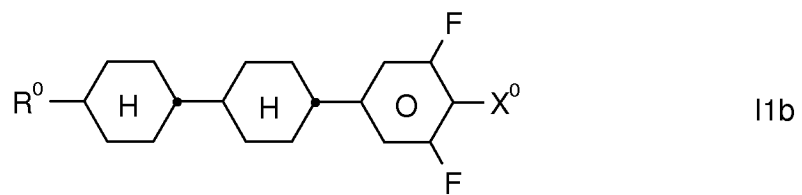
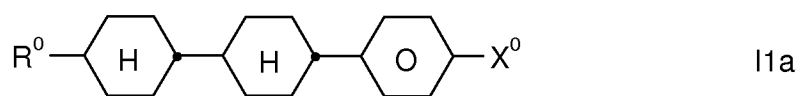
Y^1 to Y^4 each, independently of one another, denote H or F,

Z^1 and Z^2 each, independently of one another, denote -O-, -S-, -CO-, -COO-, -OCO-, -S-CO-, -CO-S-, -OCH $_2$ -, -CH $_2$ O-, -SCH $_2$ -, -CH $_2$ S-, -CF $_2$ O-, -OCF $_2$ -, -CF $_2$ S-, -SCF $_2$ -, -CH $_2$ CH $_2$ -, -CF $_2$ CH $_2$ -, -CH $_2$ CF $_2$ -, -CF $_2$ CF $_2$ -, -CH=CH-, -CF=CH-, -CH=CF-, -CF=CF-, -C \equiv C- or a single bond,

X^0 denotes F, Cl, halogenated alkyl, alkenyl or alkoxy having 1 to 6 C atoms, and

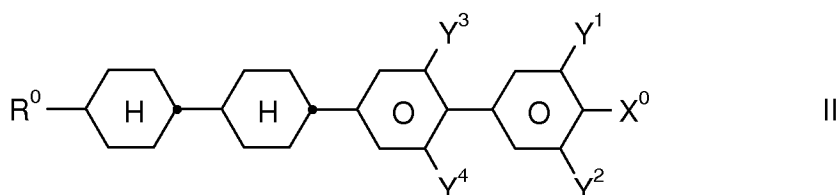
a denotes 0 or 1.

3. (Cancelled)
4. (Previously presented) A medium according to Claim 2, comprising one or more compounds selected from the following formula



in which R^0 and X^0 have the meaning indicated in Claim 2.

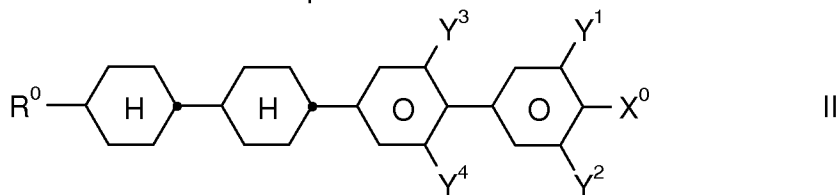
5. (Previously presented) A medium according to Claim 2, further comprising one or more compounds of the following formula



in which R^0 , X^0 , Y^1 , Y^2 , Y^3 and Y^4 have the meaning indicated in Claim 2.

6. (Cancelled)
7. (Previously presented) A medium according to Claim 1, wherein the nematic component comprises

- 5 to 50% of compounds of the formula I1,
 - 5 to 45% of compounds of the formula I2,
 - 10 to 65% of compounds of the formula I3,
- and
- 3 to 40% of compounds of the formula II



in which

R^0 denotes H or an alkyl or alkenyl radical having 1 to 20 C atoms which is unsubstituted, monosubstituted by CN or CF_3 or at least monosubstituted by halogen, where, in addition, one or more CH_2 groups in these radicals may each, independently of one another, be replaced by -O-, -S-, -CO-, -CO-O-, -O-CO-, -O-CO-O-, -CH=CH- or -C≡C-

in such a way that O atoms are not linked directly to one another,

Y^1 to Y^4 each, independently of one another, denote H or F,
and

X^0 denotes F, Cl, halogenated alkyl, alkenyl or alkoxy having
1 to 6 C atoms.

8. (Previously presented) A medium according to Claim 1, wherein the medium has a reflection wavelength in the range from 400 to 800 nm.
9. (Previously presented) A medium according to Claim 1, further comprising one or more dyes.
10. (Previously presented) An electro-optical, laser-optical or nonlinear-optical device comprising a medium according to claim 1.
11. (Previously presented) An electro-optical liquid-crystal display containing a medium according to Claim 1.
12. (Previously presented) An electro-optical liquid-crystal display according to Claim 11, that is a cholesteric, SSCT, PSCT or flexoelectric display.
13. (Previously presented) An electro-optical liquid-crystal display according to Claim 11, that is an active-matrix display.

14. (Previously presented) An active laser material or resonator for laser applications, containing a medium according to Claim 1, wherein said medium is a cholesteric liquid crystal medium.
15. (Previously presented) A laser arrangement or an active laser material or a resonator therefore containing a medium according to Claim 1.
16. (Previously presented) A medium according to claim 4, wherein X^0 in the formula I1a denotes OCF_3 and X^0 in the formulae I1b, I2a, I2k, I3a, I3b and I3c denotes F.
17. (Previously presented) A medium according to claim 2, comprising at least one compound of formula I in which X^0 , Y^1 and Y^2 denote F, and at least one compound of the formula I in which X^0 denotes Cl, CF_3 , OCF_3 or $OCHF_2$.
18. (Previously presented) A medium according to claim 2, wherein Z^1 and Z^2 denote $-COO-$, $-OCO-$, $-OCH_2-$, $-CH_2O-$, $-CF_2O-$, $-OCF_2-$, $-CH_2CH_2-$, $-CF_2CH_2-$, $-CH_2CF_2-$, $-CF_2CF_2-$ or a single bond.
19. (Previously presented) A medium according to claim 2, wherein the nematic component comprises one or more compounds of formula I, wherein Y^1 , Y^2 and X^0 are fluoro, as compounds containing a 3,4,5-trifluorophenyl group.
20. (Previously presented) A medium according to claim 1, wherein R^0 is n-alkyl, alkoxy, fluoroalkyl, alkenyl or oxaalkenyl, each having up to 9 C atoms.
21. (Previously presented) A liquid-crystalline medium according to claim 1, wherein a is 1.
22. (Previously presented) A liquid-crystalline medium according to claim 1, wherein the amount of compounds of formula I1-I3 is at least 80%.